

EAST 5/17/04

L Number	Hits	Search Text	DB	Time stamp
-	11	lord.asn. and power near4 (loss or failure or fail)	USPAT; US-PGPUB	2003/11/10 12:16
-	19	lord.asn. and washing	USPAT; US-PGPUB	2003/04/13 15:05
-	1	lord.asn. and 68/\$.ccls.	USPAT; US-PGPUB	2003/11/10 12:25
-	41	("2544360"   "2575360"   "2661596"   "2667237"   "2733792"   "3174587"   "3216542"   "3394784"   "3509742"   "3739887"   "3945226"   "3962595"   "4123675"   "4200003"   "4350913"   "4351515"   "4681197"   "4720087"   "4729458"   "4849120"   "4856631"   "4920929"   "4992190"   "5015926"   "5070565"   "5080204"   "5081882"   "5085064"   "5207081"   "5230229"   "5284330"   "5375282"   "5382373"   "5452957"   "5460585"   "5492312"   "5520029"   "5547049"   "5573088"   "5598908"   "5632361").PN.	USPAT	2003/04/13 15:07
-	12	"3724361"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 10:19
-	1	1989-040039.NRAN.	DERWENT	2003/04/16 05:53
-	1	(rheoelectric or rheo adj electric) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/11/12 09:44
-	107	(rheol\$7) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/04/16 06:43
-	25	(rheol\$7) same fluid same (shock adj absorber or damper or dampener) and de.cc.	DERWENT	2003/04/16 06:44
-	2	(rheol\$7) same fluid same (shock adj absorber or damper or dampener) same (fail\$4 or safety or power or loss) and de.cc.	DERWENT	2003/04/16 06:44
-	12	lord.asn. and power near4 (loss or failure or fail)	USPAT; US-PGPUB	2003/10/18 13:04
-	1	(rheoelectric or rheo adj electric) same fluid same (shock adj absorber or damper or dampener)	DERWENT	2003/10/18 13:16
-	1	1989-040039.NRAN.	DERWENT	2003/10/18 13:16
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:47
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/18 13:19
-	35	(damper or dampener) same power near4 (loss or failure or fail) and washer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:45
-	24	(damper or dampener) same power near4 (loss or failure or fail) and (68/\$.ccls. or 267/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/18 13:22
-	6	(US-6152488-\$ or US-6082715-\$ or US-5632361-\$ or US-5573088-\$ or US-4786034-\$).did. or (US-20030057618-\$).did.	USPAT; US-PGPUB	2003/10/18 13:25
-	123	masaaki.in. and isuzu.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:46
-	2	masaaki.in. and isuzu.asn. and power adj supply	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47
-	1	JP411041805A	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47

	1	JP411108106A	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/27 13:47
	12	lord.asn. and power near4 (loss or failure or fail)	USPAT;	2003/11/10 12:16
	38	(188/266.8).CCLS.	USPAT;	2003/11/10 12:19
	12740	washing adj machine	USPAT;	2003/11/10 12:25
	259	washing adj machine and (damper or dampener or shck adj absorber)	USPAT;	2003/11/10 12:26
	9	("2092259"   "4484669"   "4696379"   "4800995"   "4802561"   "4893699"   "4905798"   "4958704"   "5004079").PN.	USPAT	2003/11/10 12:28
	3	5409089.URPN.	USPAT	2003/11/10 12:29
	5	5085299.URPN.	USPAT	2003/11/10 12:31
	6	("4946009"   "5035306"   "5085299"   "5180039"   "5301412"   "5303804").PN.	USPAT	2003/11/10 12:32
	5	5413196.URPN.	USPAT	2003/11/10 12:33
	82	("2557140"   "2575360"   "2635483"   "2661596"   "2661825"   "2663809"   "2667237"   "2669325"   "2692582"   "2733792"   "2846028"   "2940749"   "2973969"   "3006656"   "3059915"   "3174587"   "3321210"   "3538469"   "3543901"   "3550048"   "3941402"   "4122922"   "4200003"   "4351515"   "4401298"   "4416445"   "4517505"   "4544048"   "4583723"   "4673067"   "4679775"   "4699348"   "4709779"   "4741519"   "4753421"   "4789142"   "4819772"   "4844220"   "4869476"   "4872652"   "4880216"   "4896587"   "4896752"   "4899996"   "4921272"   "4942947"   "4973031"   "4981286"   "4992190"   "5018606"   "5029677"   "5052662"   "5080392"   "5176368"   "5265703"   "5277281"   "5283234"   "5284330"   "5285878"   "5293969"   "5301776"   "5303803"   "5303804"   "5318157"   "5353839"   "5375683"   "5382373"   "5389905"   "5392883"   "5398917"   "5409088"   "5413196"   "5435421"   "5445249"   "5454452"   "5462142"   "5492312"   "5505880"   "5509888"   "5624010"   "5632361"   "6019201").PN.	USPAT	2003/11/10 12:35
	27	5632361.URPN.	USPAT	2003/11/10 12:35
	82	("2557140"   "2575360"   "2635483"   "2661596"   "2661825"   "2663809"   "2667237"   "2669325"   "2692582"   "2733792"   "2846028"   "2940749"   "2973969"   "3006656"   "3059915"   "3174587"   "3321210"   "3538469"   "3543901"   "3550048"   "3941402"   "4122922"   "4200003"   "4351515"   "4401298"   "4416445"   "4517505"   "4544048"   "4583723"   "4673067"   "4679775"   "4699348"   "4709779"   "4741519"   "4753421"   "4789142"   "4819772"   "4844220"   "4869476"   "4872652"   "4880216"   "4896587"   "4896752"   "4899996"   "4921272"   "4942947"   "4973031"   "4981286"   "4992190"   "5018606"   "5029677"   "5052662"   "5080392"   "5176368"   "5265703"   "5277281"   "5283234"   "5284330"   "5285878"   "5293969"   "5301776"   "5303803"   "5303804"   "5318157"   "5353839"   "5375683"   "5382373"   "5389905"   "5392883"   "5398917"   "5409088"   "5413196"   "5435421"   "5445249"   "5454452"   "5462142"   "5492312"   "5505880"   "5509888"   "5624010"   "5632361"   "6019201").PN.	USPAT	2003/11/10 12:46
	0	6471018.URPN.	USPAT	2003/11/10 12:46
	396	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:18
	21	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (secondary or emergency or auxiliary or backup)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 13:30
	9	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) and washing	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:51

	1	2003-626948.NRAN. (damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor)	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/10 12:51
	168	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (loss or failure or fail or defect\$4) same controller	USPAT; US-PGPUB; EPO; JPO;	2003/11/10 12:56
	224	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (loss or failure or fail or defect\$4) same controller	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 12:57
	44	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (loss or failure or fail or defect\$4) near5 controller	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:02
	27	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 188/\$.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:26
	1	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 701/\$.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:26
	15	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4)) and 267/\$.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:27
	5	(damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:48
	81	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:49
	81	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control or ecu or unit or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:50
	6	(damper or dampener or shock adj absorber or vibration adj damp\$4) same (power or loss or failure or fail or defect\$4) same (control adj unit or ecu or cpu or microcontroller or microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/11/10 13:52
	2	(electrorheolog\$6 or ERF or EMF or electromagnetic adj fluid or rheolog\$6 or magnetic adj fluid or electroviscous or rheoelectric or rheo adj electric) same (liquid or fluid) same (shock adj absorber or damper or dampener) same (defect\$4 or fail\$ or malfunction or loss near3 power or loss near3 supply)	DERWENT	2003/11/12 10:15
	6	3724361.URPN.	USPAT	2003/11/12 10:16
	2	"6427813"	USPAT	2003/11/12 10:19
	1	1999-153887.NRAN.	US-PGPUB; EPO; JPO;	
	7	(5744876.pn. or 5744923.pn. or 5390121.pn. or 5325677.pn. or 5375282.pn. or 5301523.pn. or 5907880.pn. or 5956951.pn. or 6047797.pn.) and damp\$4	DERWENT USPAT; US-PGPUB	2003/11/12 10:20 2003/11/12 11:51
	1591	213/22-40\$3.ccis. or 267/134-135.ccis. or 267/196-215.ccis.	USPAT; US-PGPUB	2003/11/12 13:48
	3	(213/22-40\$3.ccis. or 267/134-135.ccis. or 267/196-215.ccis.) and wedge same cam same spring	USPAT; US-PGPUB	2003/11/12 13:45
	46	(213/22-40\$3.ccis. or 267/134-135.ccis. or 267/196-215.ccis.) and (wedge or cam) same spring same friction\$4	USPAT; US-PGPUB	2003/11/12 13:48
	499	(213/22-40\$3.ccis. or 267/134-135.ccis. or 267/196-215.ccis.) and (wedge or cam) same spring same friction\$4	USOCR	2003/11/12 13:49

-	114	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4 same (different or larger)	USOCR	2003/11/12 13:51
-	4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4 same (different or larger)	USPAT; US-PGPUB	2003/11/12 13:52
-	4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedg\$5 or cam\$4) same spring same friction\$4 same (different or larger)	USPAT; US-PGPUB	2003/11/12 13:53

	149	("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287"	USPAT; US-PGPUB	2004/05/17 09:59
Search History	5/17/04 12:47:28 PM	Page 5		
C:\APPS\east\workspaces\10027336.wsp	"5632361"			

	6	(("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287"	USPAT; US-PGPUB	2004/05/15 15:46
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	29	(("6202806" "6131709" "4913409" "5218731" "5259218" "6151930" "6394239" "6102144" "6186290" "5458222" "4254849" "4854559" "5207081" "5946947" "6009730" "6474113" "6591640" "6622530" "4881724" "5038835" "5538373" "5946891" "6007252" "6029541" "6123312" "5979126" "4900054" "5018606" "5282645" "5328004" "5680208" "6019201" "6219602" "6219602" "4769581" "5294857" "4561484" "5187982" "5650880" "4583014" "4329637" "4601677" "5177390" "5549837" "4487402" "5185543" "5588509" "5180147" "4355957" "4389688").pn. ("4429923" "4442854" "4455639" "4457667" "4484859" "4488284" "4629167" "4765446" "4787612" "4791829" "4841184" "5219144" "5259487" "5283234" "5322149" "5345177" "5385018" "5425287"	USPAT; US-PGPUB	2004/05/15 15:45
Search History	5/17/04 12:44:28 PM	Page 7		
C:\APPS\east\workspaces\10076188.wsp	"5627336"			
	"5632361"			

	19	lord.asn. and power with (loss or failure)	USPAT; US-PGPUB	2004/05/15 15:46
	20	lord.asn. and power with (loss or failure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/15 15:46
	683	mansen.xp.	USPAT; US-PGPUB	2004/05/17 05:42
	79	68/\$.ccls. and drum with brak\$4	USPAT; US-PGPUB	2004/05/17 07:22
	2	lord.asn. and drum with brak\$4	USPAT; US-PGPUB	2004/05/17 07:30
	25	stick adj brak\$4	USPAT; US-PGPUB	2004/05/17 08:04
	963	188/31,60,69.cccls.	USPAT; US-PGPUB	2004/05/17 08:04
	721	188/31,60,69.cccls.	USOCR	2004/05/17 08:18
	29579	(loss or fail or failure or malfunction) with power	USOCR	2004/05/17 08:22
	107474	(loss or fail or failure or malfunction) with power	USPAT; US-PGPUB	2004/05/17 08:06
	86	((loss or fail or failure or malfunction) with power ) and 68/\$.cccls.	USPAT; US-PGPUB	2004/05/17 08:06
	8	188/31,60,69.cccls. and ((loss or fail or failure or malfunction) with power )	USOCR	2004/05/17 08:18
	81	((loss or fail or failure or malfunction) with power ) and 68/\$.cccls.	USOCR	2004/05/17 08:22
	1391	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCR	2004/05/17 08:23
	1391	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCR	2004/05/17 08:23
	2256	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USPAT; US-PGPUB	2004/05/17 08:34
	0	((loss or fail or failure or malfunction) with power with (brake or brakes or braking)) and 68/\$.cccls.	USOCR	2004/05/17 08:23
	4	((loss or fail or failure or malfunction) with power with (brake or brakes or braking)) and 68/\$.cccls.	USPAT; US-PGPUB	2004/05/17 08:24
	7	4254641.URPN.	USPAT	2004/05/17 08:29
	15	("1666275"   "1676087"   "1877694"   "1975206"   "2497686"   "2512847"   "2639618"   "2844225"   "2845156"   "2933913"   "2946409"   "3040854"   "3100030"   "3243021"   "4165624").PN.	USPAT	2004/05/17 08:30
	225	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	USOCR	2004/05/17 08:35
	0	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/74.cccls.	USPAT; US-PGPUB	2004/05/17 08:36
	5	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/171,173.cccls.	USOCR	2004/05/17 08:37
	6	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/171,173.cccls.	USPAT; US-PGPUB	2004/05/17 08:37
	2	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and 188/74.cccls.	USOCR	2004/05/17 08:38
	326	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	USPAT; US-PGPUB	2004/05/17 09:58
	2	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (rod or stick or elongated) near2 (brake or braking)	USPAT; US-PGPUB	2004/05/17 08:40
	12	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (rod or stick or elongated) near2 (brake or braking)	USOCR	2004/05/17 08:41
	17	stick adj brake	USOCR	2004/05/17 08:48
	0	"stick adj brake"	USOCR	2004/05/17 08:48
	17	"stick brake"	USOCR	2004/05/17 08:48
	35	"stick brake"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 08:48

	225	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)	USOCR	2004/05/17 09:22
	118	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 188/\$.ccls.	USOCR	2004/05/17 09:02
	32	(loss or fail or failure or malfunction) with power and 188/171,173.ccls.	USOCR	2004/05/17 09:03
	57	(loss or fail or failure or malfunction) with power and 188/171,173.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:06
	17	(loss or fail or failure or malfunction) with power and 188/267-267.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:17
	6	(loss or fail or failure or malfunction) with power with (MRF or ERF or magnetic adj fluid or field adj controllable)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:18
	0	(loss or fail or failure or malfunction) with power and 6151930.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:19
	1	(loss or fail or failure or malfunction) with power and 6427813.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:20
	1	"11108106"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:20
	4	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (damper or dampener)	USOCR	2004/05/17 09:23
	1	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (damper or dampener)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:38
	43	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same (solenoid or electromagnet)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:48
	0	(loss or fail or failure or malfunction) with power with 242/\$.ccls. and damper with rotary with gear	USPAT; US-PGPUB	2004/05/17 09:41
	7	242/\$.ccls. and damper with rotary with gear	USPAT; US-PGPUB	2004/05/17 09:57
	11	("1915632"   "2282653"   "2596648"   "2997250"   "3065925"   "3151823"   "3246363"   "4408925"   "4446884"   "5025802"   "6086007").PN.	USPAT	2004/05/17 09:43
	20	(loss or fail or failure or malfunction) with power and lord.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/17 09:48
	1	6467713.URPN.	USPAT	2004/05/17 09:54
	11	("1915632"   "2282653"   "2596648"   "2997250"   "3065925"   "3151823"   "3246363"   "4408925"   "4446884"   "5025802"   "6086007").PN.	USPAT	2004/05/17 09:54
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	723		USPAT; US-PGPUB	2004/05/17 10:56

PLU 55/17/04

**Butler, Douglas**

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**Front:** PLUS  
**Sent:** Monday, April 19, 2004 11:27 AM  
**To:** Butler, Douglas  
**Subject:** PLUS Results for 10079388

Here are the PLUS search results for 10079388.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



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10079388\_LIST.txt



10079388\_WEST.txt



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10079388\_LIST

PLUS Search Results for S/N 10079388, Searched April 19, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10079388\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10079388 on April 19, 2004

Original Classifications

8	188/267.2
6	68/23.3
6	188/267.1
6	267/140.14
4	68/23.1
4	701/37
3	74/574
3	188/267
2	68/12.06
2	188/129
2	188/282.4
2	188/378
2	267/136
2	280/5.515
2	310/51
2	310/90.5
2	369/147

Cross-Reference Classifications

13	188/267
8	188/322.15
7	267/140.14
6	68/23.1
5	248/638
4	188/381
4	280/5.515
3	74/572
3	74/573F
3	137/909
3	188/129
3	188/266.6
3	188/267.1
3	188/268
3	188/322.19
3	188/322.2
3	188/322.22
3	248/550
3	267/136
3	267/203
3	267/219
3	416/500
2	52/167.1
2	68/23.3
2	74/574
2	180/312
2	180/41
2	188/300
2	188/322.13
2	188/378
2	188/379
2	248/562
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2	267/127
2	267/140.15

2 267/202  
2 267/64.15  
2 280/124.1  
2 280/5.5  
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2 322/25  
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2 701/37  
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2 701/91

## Combined Classifications

16 188/267  
13 267/140.14  
10 68/23.1  
9 188/267.1  
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2 464/84  
2 701/48  
2 701/49  
2 701/91

10079388\_CLSTITLES  
Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10079388 on April 19, 2004

- 16 188/267 (3 OR, 13 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/267 .Using magnetic flux
- 13 267/140.14 (6 OR, 7 XR)  
Class 267 : SPRING DEVICES  
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER  
267/140.11 .Including energy absorbing means or feature  
e.g., supplemental vehicle equipment, such as motor mo  
unt,  
seat, etc., including additional fluid or friction ener  
gy  
absorber)  
267/140.13 ..Axial  
267/140.14 ...With electronic or magnetic control
- 10 68/23.1 (4 OR, 6 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/13R .Combined  
68/19 ..With liquid extractor  
68/23R ...Centrifugal extractor (e.g., centrifuge)  
68/23.1 ....With means to control or isolate vibration
- 9 188/267.1 (6 OR, 3 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/267.1 .Electroviscous or electrorheological fluid
- 9 188/267.2 (8 OR, 1 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/267.2 .Magnetic fluid or material (e.g., powder)
- 8 68/23.3 (6 OR, 2 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/13R .Combined  
68/19 ..With liquid extractor  
68/23R ...Centrifugal extractor (e.g., centrifuge)  
68/23.1 ....With means to control or isolate vibration  
68/23.3 .....Vertical axis centrifuge
- 8 188/322.15 (0 OR, 8 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/322.13 .Valve structure or location  
188/322.15 ..Piston valve detail (e.g., seat design,  
structural arrangement, metering element)
- 6 248/638 (1 OR, 5 XR)  
Class 248 : SUPPORTS

## 10079388\_CLSTITLES

248/637            MACHINERY SUPPORT  
 248/638            . Including vibration isolation means

6  280/5.515        (2 OR, 4 XR)  
 Class 280 : LAND VEHICLES  
 280/5.5            SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
                   (I.E., ACTIVE SUSPENSION CONTROL)  
 280/5.515        . Suspension stiffness for ride comfort (e.g.,  
                   damping coefficient, spring rate)

6  701/37            (4 OR, 2 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                   RELATIVE LOCATION  
 701/1            VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                   INDICATION  
 701/36            . Vehicle subsystem or accessory control  
 701/37            .. Suspension control

5  74/574            (3 OR, 2 XR)  
 Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/469            CONTROL LEVER AND LINKAGE SYSTEMS  
 74/572            . Flywheels and rotors  
 74/574            .. With vibration damping means

5  188/129            (2 OR, 3 XR)  
 Class 188 : BRAKES  
 188/381            FRICTIONAL VIBRATION DAMPER  
 188/105            . Multiple  
 188/106R          .. Vehicle  
 188/129            ... Rise and fall

5  188/381            (1 OR, 4 XR)  
 Class 188 : BRAKES  
 188/381            FRICTIONAL VIBRATION DAMPER

5  267/136            (2 OR, 3 XR)  
 Class 267 : SPRING DEVICES  
 267/136            RESILIENT SHOCK OR VIBRATION ABSORBER

4  188/266.6        (1 OR, 3 XR)  
 Class 188 : BRAKES  
 188/266            INTERNAL-RESISTANCE MOTION RETARDER  
 188/266.1          . Motion damped from condition (e.g., bump,  
                   speed change) detected outside of retarder  
 188/266.2          .. Condition actuates valve or regulator  
 188/266.5          ... Of the pulsating or reciprocating type  
 188/266.6          .... Side mounted

4  188/322.19        (1 OR, 3 XR)  
 Class 188 : BRAKES  
 188/266            INTERNAL-RESISTANCE MOTION RETARDER  
 188/322.19        . Cylinder structure

4  188/378            (2 OR, 2 XR)  
 Class 188 : BRAKES  
 188/378            INERTIA OF DAMPING MASS DISSIPATES MOTION  
                   (E.G., VIBRATION DAMPER)

4  248/550            (1 OR, 3 XR)

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Class 248 : SUPPORTS  
248/550 WITH CONDITION RESPONSIVE CONTROL MEANS

3 74/572 (0 OR, 3 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/469 CONTROL LEVER AND LINKAGE SYSTEMS  
74/572 .Flywheels and rotors

3 74/573F (0 OR, 3 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/469 CONTROL LEVER AND LINKAGE SYSTEMS  
74/572 .Flywheels and rotors  
74/573R ..With balancing means  
74/573F ...Fluid balancing means

3 137/909 (0 OR, 3 XR)  
Class 137 : FLUID HANDLING  
137/909 MAGNETIC FLUID VALVE

3 188/268 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/268 .Using yieldable or fluent solid or semisolid

3 188/322.2 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/322.19 .Cylinder structure  
188/322.2 ..Having connection for side-mounted valve type

3 188/322.22 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/322.22 .Thrust member or piston structure

3 248/562 (1 OR, 2 XR)  
Class 248 : SUPPORTS  
248/560 RESILIENT SUPPORT  
248/562 .Including additional energy absorbing means,  
e.g., fluid or friction damping, etc.

3 267/140.15 (1 OR, 2 XR)  
Class 267 : SPRING DEVICES  
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER  
267/140.11 .Including energy absorbing means or feature  
(e.g., supplemental vehicle equipment, such as motor mount,  
seat, etc., including additional fluid or friction energ  
Y  
absorber)  
267/140.15 ..With electronic or magnetic control

3 267/203 (0 OR, 3 XR)  
Class 267 : SPRING DEVICES  
267/2 VEHICLE  
267/195 .Mechanical spring and nonresilient retarder  
(e.g., shock absorber)

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267/196        .Friction (e.g., "snubber")  
267/201        ...Elastomeric spring or friction element  
267/202        ....And helical coil spring  
267/203        ....Plural coil springs

3 267/219       (0 OR, 3 XR)  
Class 267 : SPRING DEVICES  
267/2        VEHICLE  
267/195       .Mechanical spring and nonresilient retarder  
              (e.g., shock absorber)  
267/217       ..Fluid retarder  
267/219       ...Elastomeric spring

3 310/90.5      (2 OR, 1 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10        DYNAMOELECTRIC  
310/40R       .Rotary  
310/66        ..With other elements  
310/90        ...Bearing or air-gap adjustment or bearing  
              lubrication  
310/90.5       ....Magnetic bearing

3 384/99        (1 OR, 2 XR)  
Class 384 : BEARINGS  
384/91        ROTARY BEARING  
384/99        .Hydraulic or pneumatic bearing support

3 416/500       (0 OR, 3 XR)  
Class 416 : FLUID REACTION SURFACES  
416/500        VIBRATION DAMPING FEATURES

2 52/167.1      (0 OR, 2 XR)  
Class 052 : STATIC STRUCTURES  
52/167.1       MEANS COMPENSATING EARTH-TRANSMITTED FORCE  
(E.G., EARTHQUAKE)

2 60/326        (1 OR, 1 XR)  
Class 060 : POWER PLANTS  
60/325        PRESSURE FLUID SOURCE AND MOTOR  
60/326        .Utilizing a mixture, suspension, semisolid or  
              electro-conductive liquid as motive fluid

2 68/12.06      (2 OR, 0 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R        MACHINES  
68/12.01      .Single tub and automatic sequential operation  
              mechanism  
68/12.02      ..Sequence control means responsive to a sensed  
              condition  
68/12.06      ...Unbalanced load

2 68/23.2       (1 OR, 1 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R        MACHINES  
68/13R       .Combined  
68/19        ..With liquid extractor  
68/23R       ...Centrifugal extractor (e.g., centrifuge)  
68/23.1       ....With means to control or isolate vibration

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68/23.2 ....Including counterbalance

2 180/312 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/311 FRAME  
180/312 .With structure adapted to receive or support a motor, change-speed gearing, or other power train element

2 180/41 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/41 WITH LEVELING DEVICE

2 188/266.2 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/266.1 .Motion damped from condition (e.g., bump, speed change) detected outside of retarder  
188/266.2 ..Condition actuates valve or regulator

2 188/269 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/269 .Using diverse fluids

2 188/282.2 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/281 .Resistance alters relative to direction of thrust member (e.g., high resistance in one direction, low in the other)  
188/282.1 ..Via valved orifice in thrust member  
188/282.2 ...Valve actuated by electrical system

2 188/282.4 (2 OR, 0 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/281 .Resistance alters relative to direction of thrust member (e.g., high resistance in one direction, low in the other)  
188/282.1 ..Via valved orifice in thrust member  
188/282.2 ...Valve actuated by electrical system  
188/282.4 ....System having distinct selections (e.g., hard, medium, soft)

2 188/300 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/300 .With means for locking parts together temporarily

2 188/318 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/297 .Having a thrust member with a variable volume chamber (e.g., coaxial or telescoping tubes, compensating

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reservoir)

- 188/316 ..Fluid through or around piston within chamber
- 188/317 ...Via fixed or variable orifice in piston
- 188/318 ....And passage venting fluid external to chamber
- 2 188/322.13 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/266 INTERNAL-RESISTANCE MOTION RETARDER  
188/322.13 .Valve structure or location
- 2 188/379 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION  
(E.G., VIBRATION DAMPER)  
188/379 .Resiliently supported damping mass
- 2 192/3.29 (1 OR, 1 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/3.21 VORTEX-FLOW DRIVE AND CLUTCH  
192/3.28 .Including drive-lockup clutch  
192/3.29 ..Having fluid-pressure operator
- 2 248/566 (0 OR, 2 XR)  
Class 248 : SUPPORTS  
248/560 RESILIENT SUPPORT  
248/562 .Including additional energy absorbing means,  
e.g., fluid or friction damping, etc.  
248/566 ..Variable or adjustable energy absorbing means
- 2 251/129.01 (1 OR, 1 XR)  
Class 251 : VALVES AND VALVE ACTUATION  
251/129.01 ELECTRICALLY ACTUATED VALVE
- 2 267/127 (0 OR, 2 XR)  
Class 267 : SPRING DEVICES  
267/113 FLUID  
267/118 .Expansible-contractible chamber device  
267/124 ..Piston  
267/126 ...System  
267/127 ....Trans-piston passage
- 2 267/140.13 (1 OR, 1 XR)  
Class 267 : SPRING DEVICES  
267/136 RESILIENT SHOCK OR VIBRATION ABSORBER  
267/140.11 .Including energy absorbing means or feature  
(e.g., supplemental vehicle equipment, such as motor mount,  
seat, etc., including additional fluid or friction energy  
absorber)  
267/140.13 ..Axial
- 2 267/202 (0 OR, 2 XR)  
Class 267 : SPRING DEVICES  
267/2 VEHICLE  
267/195 .Mechanical spring and nonresilient retarder

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(e.g., shock absorber)

267/196     ..Friction (e.g., "snubber")  
267/201     ...Elastomeric spring or friction element  
267/202     ....And helical coil spring

2 267/64.15   (0 OR, 2 XR)  
Class 267 : SPRING DEVICES  
267/2       VEHICLE  
267/64.11   .Comprising compressible fluid  
267/64.15   ..With retarder

2 267/74      (1 OR, 1 XR)  
Class 267 : SPRING DEVICES  
267/69       ELASTIC EXTENSION DEVICES  
267/73       .Tension spring  
267/74       ..Single

2 280/124.1   (0 OR, 2 XR)  
Class 280 : LAND VEHICLES  
280/29       WHEELED  
280/80.1      .Running gear  
280/124.1     ..Suspension arrangement

2 280/5.5      (0 OR, 2 XR)  
Class 280 : LAND VEHICLES  
280/5.5       SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
(I.E., ACTIVE SUSPENSION CONTROL)

2 280/5.512    (0 OR, 2 XR)  
Class 280 : LAND VEHICLES  
280/5.5       SUSPENSION MODIFICATION ENACTED DURING TRAVEL  
(I.E., ACTIVE SUSPENSION CONTROL)  
280/5.508      .Lateral vehicle disposition  
280/5.51       ..Steering element responsive (e.g., steering  
angle, steering rate)  
280/5.512      ...Including suspension stiffness for ride  
comfort (e.g., damping coefficient, spring rate)

2 310/183      (1 OR, 1 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10       DYNAMOELECTRIC  
310/40R       .Rotary  
310/179       ..Windings and core structure  
310/180       ...Field or excitation windings or structure  
310/182       ....With short-circuited winding or conductor  
  
310/183       .....Damper winding

2 310/269      (1 OR, 1 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10       DYNAMOELECTRIC  
310/40R       .Rotary  
310/261       ..Rotor structure  
310/264       ...Armatures  
310/269       ....Salient pole

2 310/51       (2 OR, 0 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10       DYNAMOELECTRIC

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310/40R .Rotary  
310/51 ..Vibration or noise suppression

2 322/25 (0 OR, 2 XR)  
Class 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS  
322/17 AUTOMATIC CONTROL OF GENERATOR OR DRIVING MEANS

322/22 .Plural conditions  
322/23 ..Including an electrical condition  
322/24 ...Plural electrical conditions  
322/25 ....Voltage and current

2 324/318 (1 OR, 1 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/300 PARTICLE PRECESSION RESONANCE  
324/318 .Spectrometer components

2 369/147 (2 OR, 0 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION  
OF SYSTEM  
369/127 .Mechanical modification or sensing of storage  
medium  
369/135 ..Specified structure of electrical transducing  
assembly  
369/146 ...Magnetic field variation (e.g.,  
magnetostRICTive)  
369/147 ....Moving signal coil

2 369/170 (0 OR, 2 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION  
OF SYSTEM  
369/127 .Mechanical modification or sensing of storage  
medium  
369/170 ..Stylus holder or shield

2 416/145 (1 OR, 1 XR)  
Class 416 : FLUID REACTION SURFACES  
416/144 WITH WEIGHT-BALANCING MEANS  
416/145 .Self-shifting or selectively adjustable mass

2 416/190 (0 OR, 2 XR)  
Class 416 : FLUID REACTION SURFACES  
416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB,  
SHROUD OR CONTINUOUS PASSAGE  
416/189 .Axially extending shroud ring or casing  
416/190 ..Vibration inhibiting or expansion-contraction  
structure

2 416/193A (1 OR, 1 XR)  
Class 416 : FLUID REACTION SURFACES  
416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB,  
SHROUD OR CONTINUOUS PASSAGE  
416/189 .Axially extending shroud ring or casing  
416/193R ..Spaced inwardly of impeller periphery  
416/193A ...Root platforms

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2 464/68 (1 OR, 1 XR)  
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT  
464/61 .Element is a spring coiled about centerline  
angularly related to or radially spaced from rotationa  
1  
axis  
464/62 ..Plural springs  
464/66 ...Opposite ends of spring are equidistant from  
rotational axis  
464/68 ....Springs positioned between axially spaced  
plates of one member and driven by other member extending  
radially between said plates

2 464/84 (0 OR, 2 XR)  
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT  
464/81 .Plural circumferentially spaced elements  
464/84 ..Elements are bowed leaf springs

2 701/48 (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/36 .Vehicle subsystem or accessory control  
701/48 ..Cooperative or multiple control (e.g.,  
suspension and braking)

2 701/49 (1 OR, 1 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/36 .Vehicle subsystem or accessory control  
701/49 ..Vehicle equipment position control (e.g.,  
seat, mirror, door, window, headrest, or headlamp)

2 701/91 (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/70 .Indication or control of braking,  
acceleration, or deceleration  
701/82 ..Antispin, traction control, or drive slip  
control  
701/91 ...Integrated with antiskid or other vehicle  
control system (e.g., cruise control, suspension)